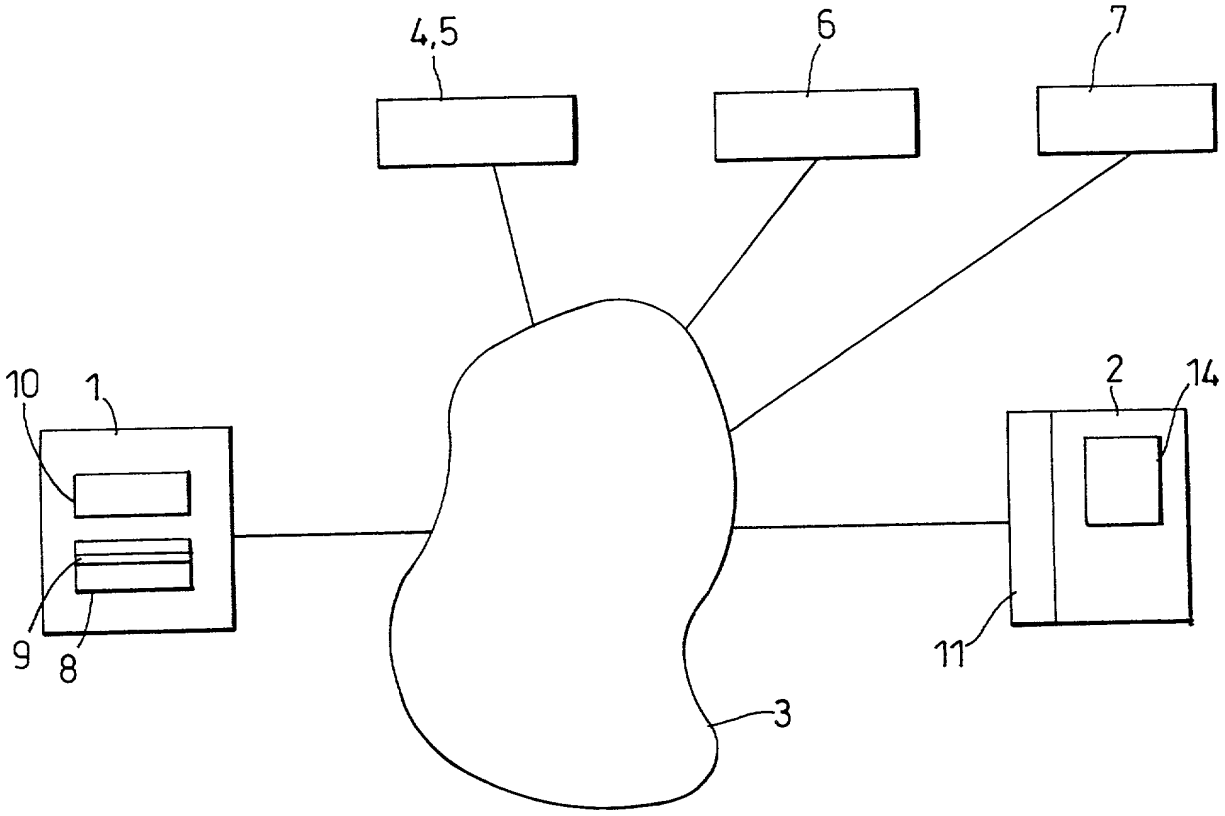

Fig. 1

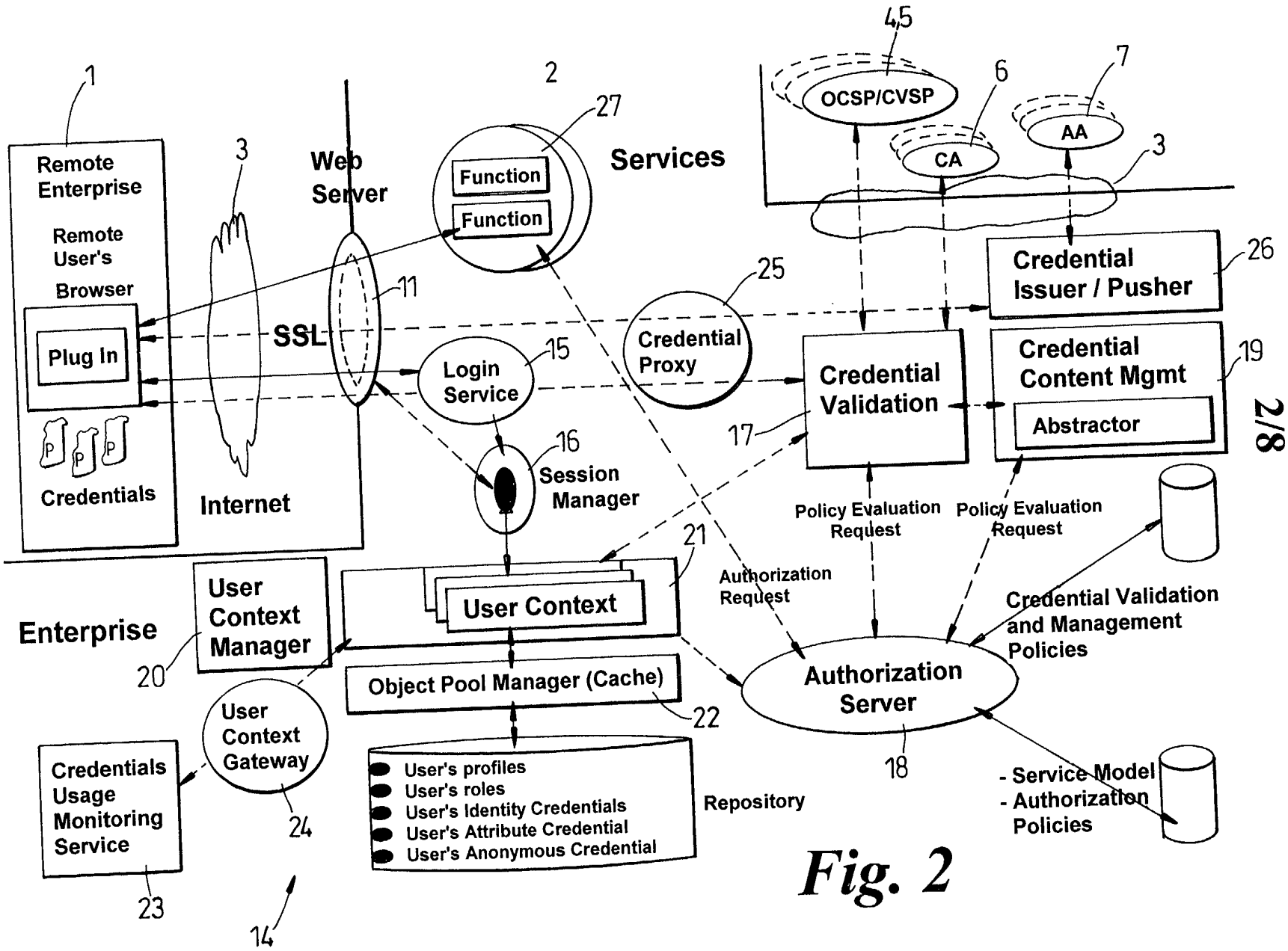
1
Remote Enterprise
Remote User's Browser
Plug In
Credentials
3
Internet
Web Server
SSL
11
2
27
Function
Function
Services
4,5
OCSP/CVSP
6
CA
7
AA
3
25
Credential Proxy
Credential Issuer / Pusher
26
Credential Validation
Credential Content Mgmt
Abstractor
19
17
15
Login Service
16
Session Manager
Policy Evaluation Request
Policy Evaluation Request
21
User Context
Authorization Request
Credential Validation and Management Policies
Enterprise
User Context Manager
20
Object Pool Manager (Cache)
22
Authorization Server
18
User Context Gateway
24
Credentials Usage Monitoring Service
23
14
User's profiles
User's roles
User's Identity Credentials
User's Attribute Credential
User's Anonymous Credential
Repository
- Service Model
- Authorization Policies

Fig. 2

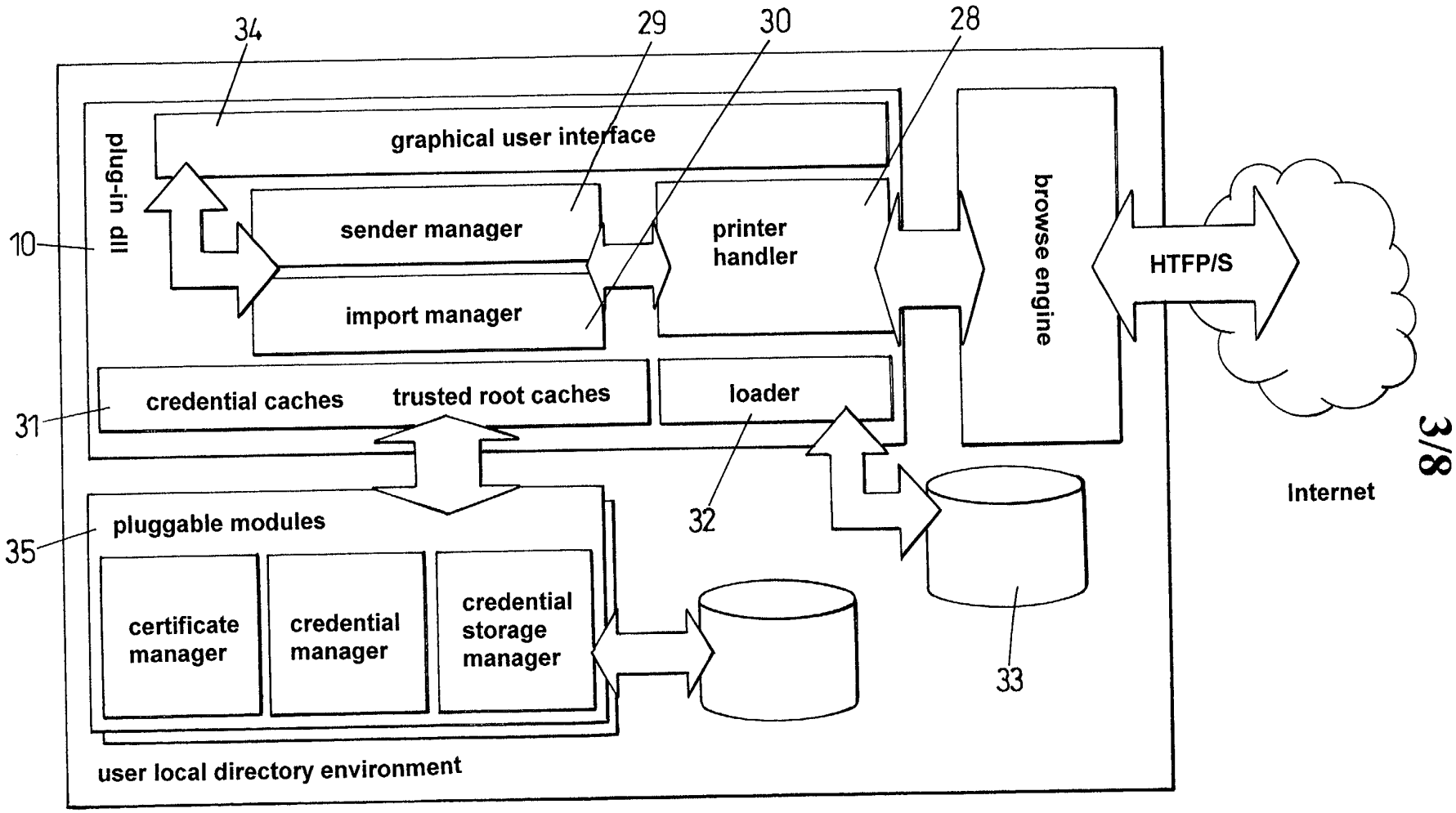
34
29
30
28
graphical user interface
plug-in dll
10
sender manager
import manager
printer handler
browse engine
HTFP/S
Internet
31
credential caches
trusted root caches
loader
32
35
pluggable modules
certificate manager
credential manager
credential storage manager
33
user local directory environment

Fig. 3

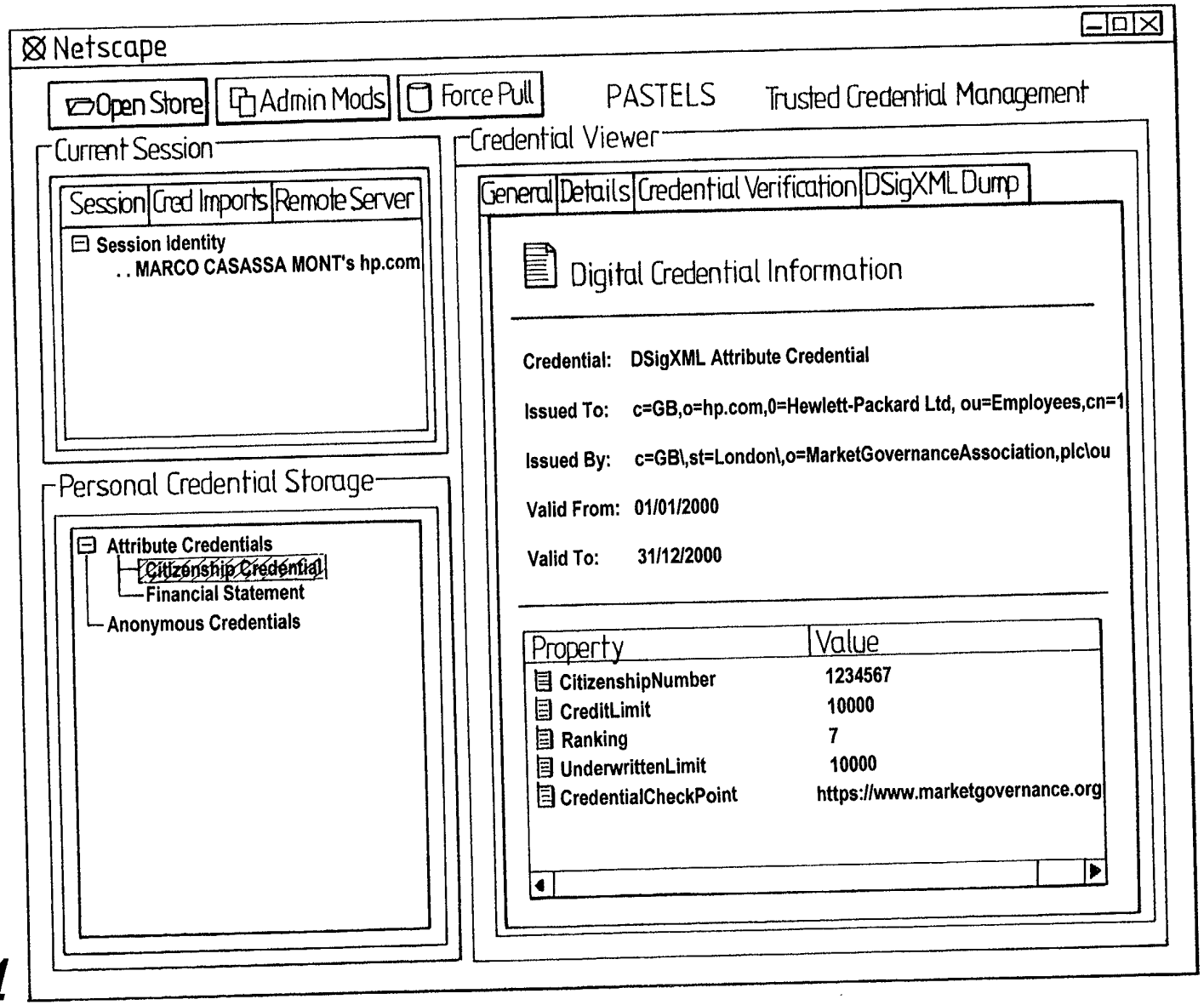
Netscape
Open Store
Admin Mods
Force Pull
PASTELS
Trusted Credential Management
Current Session
Session
Cred Imports
Remote Server
Session Identity
.. MARCO CASASSA MONT's hp.com
Personal Credential Storage
Attribute Credentials
Citizenship Credential
Financial Statement
Anonymous Credentials
Credential Viewer
General
Details
Credential Verification
DSigXML Dump
Digital Credential Information
Credential: DSigXML Attribute Credential
Issued To: c=GB,o=hp.com,0=Hewlett-Packard Ltd, ou=Employees,cn=1
Issued By: c=GB\,st=London\,o=MarketGovernanceAssociation,plc\ou
Valid From: 01/01/2000
Valid To: 31/12/2000
Property
Value
CitizenshipNumber 1234567
CreditLimit 10000
Ranking 7
UnderwrittenLimit 10000
CredentialCheckPoint https://www.marketgovernance.org

Fig. 4

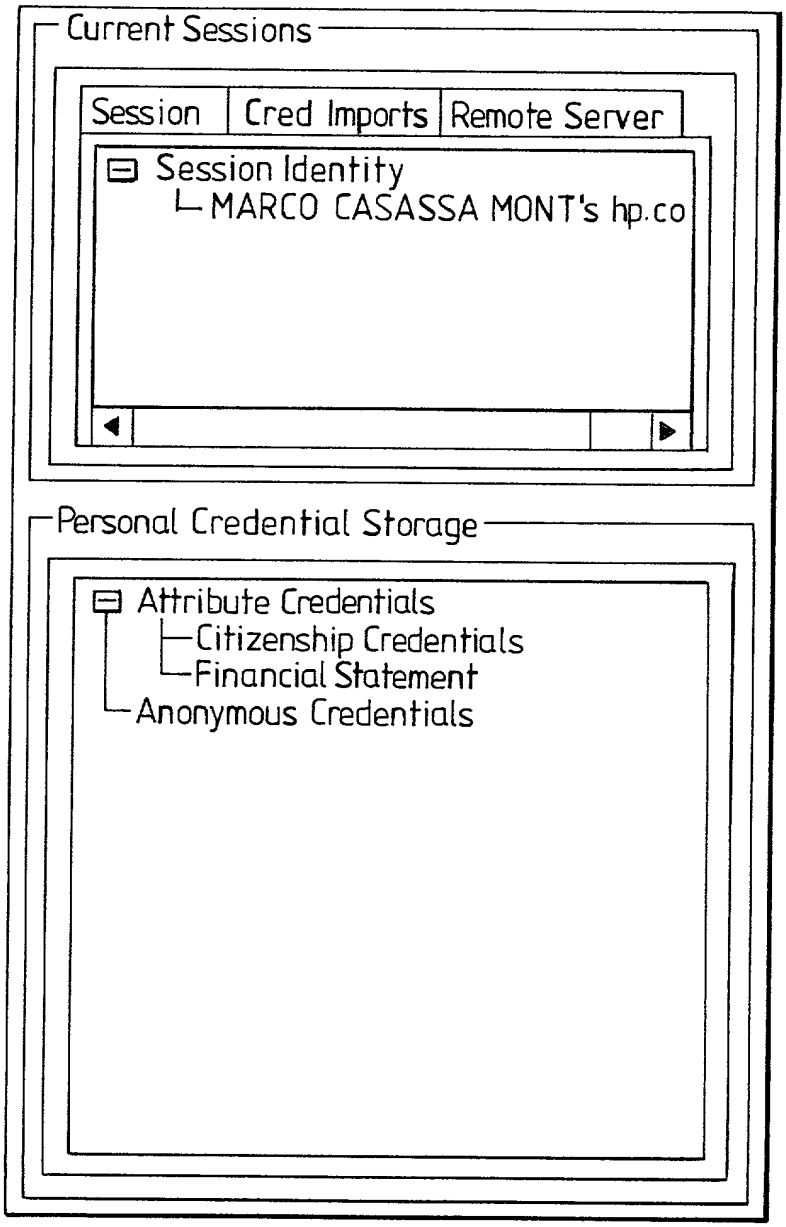
Current Sessions
Session
Cred Imports
Remote Server
Session Identity
MARCO CASASSA MONT's hp.co
Personal Credential Storage
Attribute Credentials
Citizenship Credentials
Financial Statement
Anonymous Credentials

Fig. 5

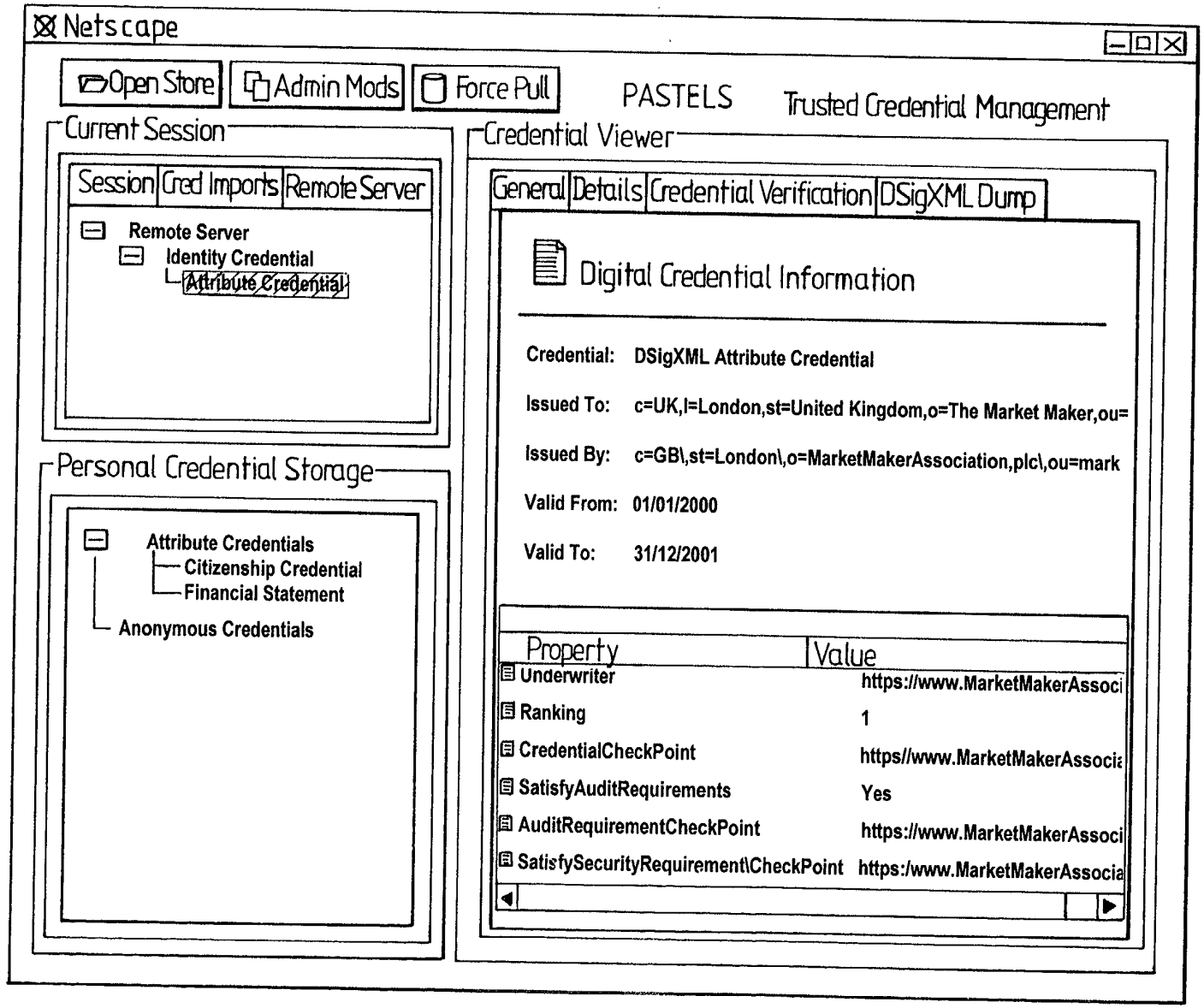
Netscape
Open Store
Admin Mods
Force Pull
PASTELS
Trusted Credential Management
Current Session
Session
Cred Imports
Remote Server
Remote Server
Identity Credential
Attribute Credential
Personal Credential Storage
Attribute Credentials
Citizenship Credential
Financial Statement
Anonymous Credentials
Credential Viewer
General
Details
Credential Verification
DSigXML Dump
Digital Credential Information
Credential: DSigXML Attribute Credential
Issued To: c=UK,l=London,st=United Kingdom,o=The Market Maker,ou=
Issued By: c=GB\,st=London\,o=MarketMakerAssociation,plc\,ou=mark
Valid From: 01/01/2000
Valid To: 31/12/2001
Property
Value
Underwriter
https://www.MarketMakerAssoci
Ranking
1
CredentialCheckPoint
https//www.MarketMakerAssoci
SatisfyAuditRequirements
Yes
AuditRequirementCheckPoint
https://www.MarketMakerAssoci
SatisfySecurityRequirement\CheckPoint
https:/www.MarketMakerAssocia

Fig. 6

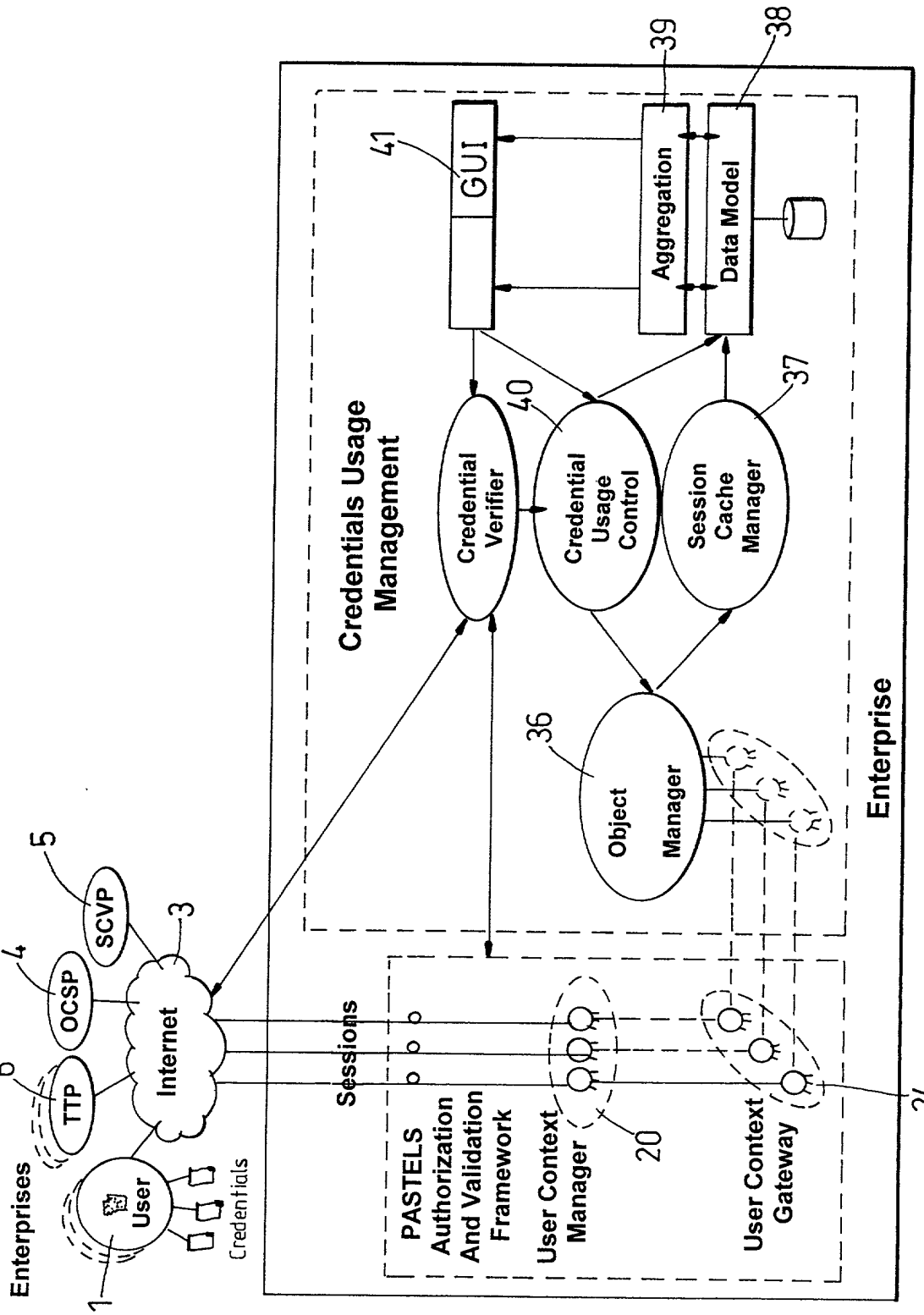
Enterprises
User
Credentials
1
6
TTP
4
OCSP
5
SCVP
3
Internet
Sessions
PASTELS
Authorization
And Validation
Framework
User Context
Manager
20
User Context
Gateway
24
Credentials Usage
Management
Credential
Verifier
40
Credential
Usage
Control
Session
Cache
Manager
37
36
Object
Manager
41
GUI
39
Aggregation
38
Data Model
Enterprise

Fig. 7

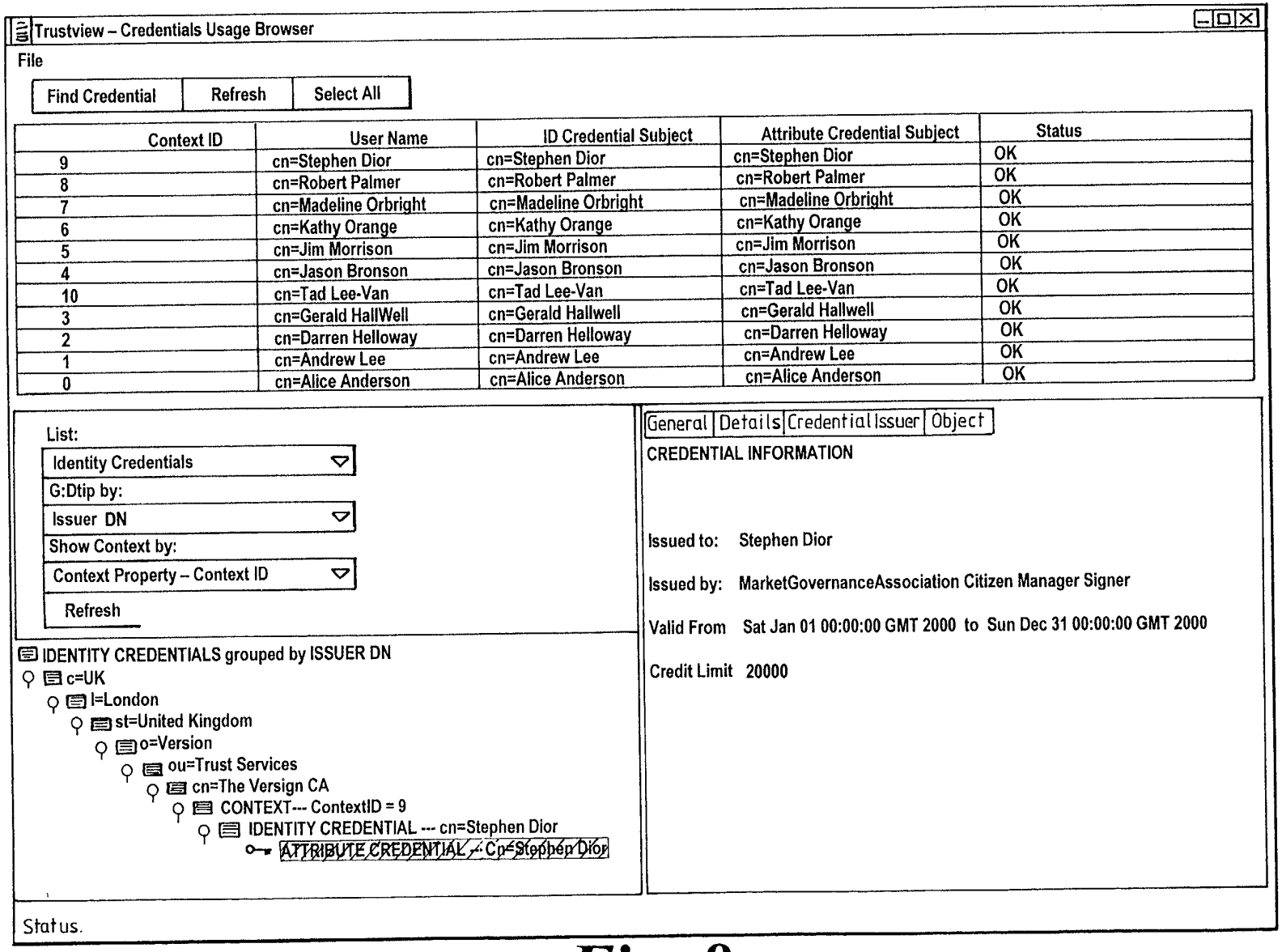
Trustview – Credentials Usage Browser
File
Find Credential
Refresh
Select All
Context ID | User Name | ID Credential Subject | Attribute Credential Subject | Status
9 | cn=Stephen Dior | cn=Stephen Dior | cn=Stephen Dior | OK
8 | cn=Robert Palmer | cn=Robert Palmer | cn=Robert Palmer | OK
7 | cn=Madeline Orbright | cn=Madeline Orbright | cn=Madeline Orbright | OK
6 | cn=Kathy Orange | cn=Kathy Orange | cn=Kathy Orange | OK
5 | cn=Jim Morrison | cn=Jim Morrison | cn=Jim Morrison | OK
4 | cn=Jason Bronson | cn=Jason Bronson | cn=Jason Bronson | OK
10 | cn=Tad Lee-Van | cn=Tad Lee-Van | cn=Tad Lee-Van | OK
3 | cn=Gerald HallWell | cn=Gerald Hallwell | cn=Gerald Hallwell | OK
2 | cn=Darren Helloway | cn=Darren Helloway | cn=Darren Helloway | OK
1 | cn=Andrew Lee | cn=Andrew Lee | cn=Andrew Lee | OK
0 | cn=Alice Anderson | cn=Alice Anderson | cn=Alice Anderson | OK
List:
Identity Credentials
G:Dtip by:
Issuer DN
Show Context by:
Context Property – Context ID
Refresh
IDENTITY CREDENTIALS grouped by ISSUER DN
c=UK
l=London
st=United Kingdom
o=Version
ou=Trust Services
cn=The Versign CA
CONTEXT--- ContextID = 9
IDENTITY CREDENTIAL --- cn=Stephen Dior
ATTRIBUTE CREDENTIAL --- cn=Stephen Dior
General
Details
CredentialIssuer
Object
CREDENTIAL INFORMATION
Issued to: Stephen Dior
Issued by: MarketGovernanceAssociation Citizen Manager Signer
Valid From Sat Jan 01 00:00:00 GMT 2000 to Sun Dec 31 00:00:00 GMT 2000
Credit Limit 20000
Status.

Fig. 8